

SYSTEM AND METHOD FOR AUTOMATICALLY PROTECTING PRIVATE VIDEO CONTENT USING EMBEDDED CRYPTOGRAPHIC SECURITY

Abstract

- 5 A system and method for automatically protecting private video content using embedded cryptographic security is disclosed. A substantially continuous video signal representing raw video content is divided into individual frames. Each frame stores a fixed amount of data in digital form. Each individual frame is encrypted into encrypted video content using an encryption cryptographic key.
- 10 The encrypted frames is stored on a transportable storage medium. Encrypted frames are retrieved from the transportable storage medium. A decryption cryptographic key is verified prior to decryption. Each encrypted frame is decrypted using the decryption cryptographic key. The decrypted frames are combined into a substantially continuous video signal representing the raw video
- 15 content in reconstructed form. In a further embodiment, private video content automatically authenticated using embedded cryptographic security, either alone or in conjunction with the encryption of video content.